CENTER OF STANDARDIZATION PROGRAM
CHILD DEVELOPMENT CENTER (CDC),
FOR CHILDREN 6-10 YEARS OLD - MEDIUM

CAT CODE: 74016

PUBLISHED: NOVEMBER 2009
REVISION: NOVEMBER 2010

GENERAL CDC CRITERIA

<table>
<thead>
<tr>
<th>FACILITY SIZE</th>
<th>GROSS AREA (FT²)</th>
<th># OF CHILDREN</th>
<th># OF STAFF</th>
<th>STAFF LOCKERS</th>
<th>MIN # OF PARKING SPOTS</th>
<th>PLAYGROUND</th>
<th>TOTAL AREA (FT²)</th>
</tr>
</thead>
<tbody>
<tr>
<td>MEDIUM</td>
<td>20,484</td>
<td>50-180</td>
<td>21</td>
<td>30</td>
<td>43</td>
<td>52,196</td>
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NOTES:
1. SITE AREA ASSUMED TO BE IMMEDIATELY ADJACENT TO ROADS AND UTILITIES.

CDC STANDARD DESIGN PACKAGE

THE FOLLOWING IS A LIST OF THE COMPLETE CDC DESIGN PACKAGE. THE LATEST
VERSION OF EACH OF THE LISTED ITEMS CAN BE DOWNLOADED FROM
HTTPS://ERC/PORTAL/USAGE.AMY.MIL/ERC/DOCS/SECURITY.

THE INFO INCLUDED HEREIN IS ONLY ONE PORTION OF THE COMPLETE PACKAGE.

1. ARMY STANDARD
2. ROOM-BY-ROOM DESCRIPTIONS
3. STANDARD DRAWINGS (INCLUDED HEREIN)
4. INTERIOR DESIGN CRITERIA
5. PLAYGROUND DESIGN CRITERIA
DESIGNER’S NOTES

1. THE SITE DESIGN PROVIDED IS FOR CONCEPT ONLY. THE DESIGN CONFORMS TO CURRENT PLUS CRITERIA, HOWEVER IT MAY NOT SUIT THE LOCAL SITE OR REQUIREMENTS. THE CONCEPTUAL PLAN SHOULD BE REVIEWED FOR COORDINATING AND FINALIZING THE SITE PLAN WITH THE INSPECTOR.
CONTRACTOR (BUILDING THE FACILITY) TO PROVIDE:

1. POWER FOR THE CCTV SYSTEM:
   A. CAMERA POWER SUPPLY (4 CAMERASYSTEM)
      POWER FOR THE CCTV CAMERAS SHALL BE DISTRIBUTED FROM THE SER
      MONOPHASE POWER SUPPLY TO EACH CAMERA LOCATION.
      [DRAWER 2 LIMITS
      POWER SOURCE - LOW VOLTAGE SYSTEM - 220V TO THE CAMERAS]
   B. SURVEILLANCE EQUIPMENT RACK (SER): ONE (1) 120X60X40 AMP CIRCUIT
      SHALL BE SUPPLIED TO THE LOCATION DESIGNATED FOR THE CCTV SER.
      THE CIRCUIT SHALL BE TERMINATED WITH 5-15 RPM RECEPTACLE (LS-X505W12S)
      RECESS MOUNTED IN THE LOCATION DESIGNATED FOR THE SER.
   C. PARENTAL VIEWING MONITOR (PVM): A STANDARD 110 VAC RECEPTACLE
      SHALL BE INSTALLED AT THE LOCATION DESIGNATED FOR THE PVM. THE RECEPTACLE
      SHALL BE MOUNTED ABOVE THE DROP CEILING AND CAN BE TIED TO ANY
      CIRCUIT IN THE FACILITY.
   D. PVM WORKSTATION (PWS): A STANDARD 110 VAC OUTLET SHALL BE MADE
      AVAILABLE AT THE RECEPTION DESK FOR THE PVM WORKSTATION.

2. ALL WIRING SHALL BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC
   CODE BASED UPON THE TYPE, GUAGE AND QUANTITY OF CABLES AND
   WIRING INSTALLED WITHIN THE EMT. THE CONDUIT PULL RATE SHALL
   CONFORM TO THE NEC STANDARD.

3. THE CAMERA POWER CABLE SHALL BE 2-CONDUCTOR AWG 18 GAUGE STRANDED
   UNSHIELDED, PLENUM RATED CABLE TYPE. THE PREPARED WIRE
   IS PRE-WIRED SMARTWARE SECURITY ACCESS CONTROL CABLE 18 AWG 2
   CONDUCTOR BARE COPPER, NON-SHEilded PLENUM. COLOR COMBINATION TO BE
   DETERMINED BY CONTRACTOR AS REQUIRED.

   NOTE:
   1. UN TERMINATED POWER CABLES SHALL BE IDENTIFIED BY EITHER
      THE CAMERA NUMBER, THE SPECIFIC CATION OF THE POWER RUN, OR
      IN A MANNER DETERMINED BY THE CONTRACTOR.
   2. ALL POWER CABLES SHALL BE ONE CONTINUOUS RUN. SPlicing IS
      NOT ACCEPTABLE.
   3. IN THE LOCATION DESIGNATED FOR THE SER LEAVE 2" EXCESS
      OF POWER CABLE.

4. THE CAMERA VIDEO CABLE SHALL BE RG-6U TYPE CCTV PLENUM CDAX CABLE
   TYPE. THE PREPARED CABLE IS PRE-WIRED SMARTWARE RG-6 KVIDEO
   SURVEILLANCE CABLE PLENUM. COLOR COMBINATION TO BE DETERMINED BY
   CONTRACTOR AS REQUIRED.

   NOTE:
   1. UN TERMINATED VIDEO CABLES SHALL BE IDENTIFIED BY EITHER
      THE CAMERA NUMBER, THE SPECIFIC LOCATION OF THE VIDEO RUN
      OR IN A MANNER DETERMINED BY THE CONTRACTOR.
   2. ALL VIDEO CABLES SHALL BE ONE CONTINUOUS RUN. SPlicing IS
      NOT ACCEPTABLE.
   3. IN THE LOCATION DESIGNATED FOR THE SER LEAVE 2" EXCESS
      COIL OF VIDEO CABLE.

5. IN AREAS WITH DROP CEILINGS, RUN CONDUIT (W VIDEO AND POWER CABLES)
   ABOVE THE CEILING FROM SER LOCATION TO EACH CAMERA LOCATION - LEAVE
   6" EXCESS COIL OF POWER AND VIDEO CABLE TIED UP AT THE Camera
   LOCATION.

6. IN AREAS W/O DROPPED CEILINGS, RUN CONDUIT (W VIDEO AND POWER
   CABLES) ABOVE CEILING FROM SER LOCATION TO EACH CAMERA LOCATION
   PROVIDE ONE (1) SINGLE GANG RECEPTACLE BOX, RECESS
   MOUNTED ON THE WALL NO MORE THAN 12" AND NO LESS THAN IF, ABOVE
   THE FIXED FLOOR AT EACH CAMERA LOCATION. (THE CLOSER TO 12" IS
   PREFERABLE FOR GREATER FIELD OF VIEW). ALL RECEPTACLE BOXES IN
   THE SAME AREA SHALL BE MOUNTED AT THE SAME DISTANCE FROM THE
   FIXED FLOOR.

7. IN AREAS WITH EXPOSED CONDUIT, PROVIDE ONE (1) OCTAGON BOX SURFACE
   MOUNTED ON THE WALL NO MORE THAN 12" AND NO LESS THAN IF, ABOVE
   THE FIXED FLOOR AT EACH CAMERA LOCATION (THE CLOSER TO 12" IS
   PREFERABLE FOR GREATER FIELD OF VIEW). ALL RECEPTACLE BOXES IN
   THE SAME AREA SHALL BE MOUNTED AT THE SAME DISTANCE FROM THE FIXED FLOOR.

8. IN AREAS WHERE CAMERAS ARE TO BE INSTALLED ON BUILDING EXTERIOR, RUN
   CONDUIT (W VIDEO AND POWER CABLES) FROM SER LOCATION TO THE
   ADJACENT INTERIOR LOCATION. LEAVE THE REQUESTED 6" EXCESS COIL OF
   POWER AND VIDEO CABLE TIED UP AT THE LOCATION. DO NOT PENETRATE THE
   WALL, IF REQUIRED. A 4"X4" JUNCTION BOX AND SLEEVE WILL BE
   INSTALLED DURING CAMERA INSTALLATION.

9. REQUEST A #12 BARE GROUND WIRE AT EACH DESIGNATED EXTERIOR CAMERA
   LOCATION. SUGGESTED GROUNDING OPTIONS ARE: GROUNDING WIRING TO BE
   ATTACHED TO A GROUNDED CONDUIT RUN, OR RUN GROUNDING WIRE FROM
   COMM ROOM GROUNDED LOCATION TO EXTERIOR CABLES. IF CHOSEN, A GROUNDING
   METHOD OF GROUNDING, PROVIDE A #4 OR #6 GROUND WIRE FROM COMM
   ROOMERER LOCATION TO A POWER PANEL.

10. A 170/120/100 BASE-T CAT-5 CIRCUIT SHALL BE PROVIDED BETWEEN THE
    FACILITIES ADMINISTRATORS OFFICE AND THE SER LOCATION. A SECOND
    170/120/100 BASE-T CAT-5 CIRCUIT SHALL BE PROVIDED BETWEEN THE PVM
    WORKSTATION LOCATION AT THE RECEPTION DESK AND THE SER. THIS SHALL
    INCLUDE A TERMINATED RJ-45 RECEPTACLE AT THE ADMINISTRATORS OFFICE
    AND THE PVM WORKSTATION LOCATION. AT THE SER IN-BUILD CIRCUIT
    SHALL BE UN TERMINATED WITH 2" EXCESS COILED IN OVERHEAD.

11. A PULL ECK SHALL BE INSTALLED AT THE PVM WITH AN EMT WIRE PATH
    SET BETWEEN IT AND THE PVM WORKSTATION LOCATION. ALL EMT SHALL BE A
    MINIMUM OF 1" IN DIAMETER.

12. HVAC VENT SHOULD NOT BE PLACED ABOVE LOCATION DESIGNATED FOR SER.
    FORCED HEAT DURING WINTER MONTHS MAY CAUSE OVER HEATING OF EQUIPMENT.

13. IF THE PVM HAVING CABLE TRAYS, RECOMMEND USING TRAY TO GET CABLES
    AS CLOSE TO THE CAMERA LOCATIONS AS POSSIBLE. THEN RUN CONDUIT
    TO THE ACTUAL LOCATIONS USING THE MOST DIRECT ROUTE.

14. ASSUMPTIONS FOR CAMERA PLACEMENT ON DRAWINGS:
    ALL CEILINGS ARE EIGHT (8) FEET SUSPENDED (6'LES UNLESS OTHERWISE NOTED.
    ALL FURNITURE AND LANDSCAPE PLACEMENT WILL NOT BE USED AS CAMERA VIEWS.
    BUILDINGS WILL HAVE "OVERHANDS" / SPOFITS TO ACCOMMODATE EXTERIOR CAMERAS.
    EXTERIOR CAMERAS ARE PLACED BASED ON EXPECTED LOCATION OF PLAYBOARDS

15. VIDEO MONITORING SECURITY SYSTEM (COCOSD CIRCUIT TELEVISION - 4, 4-5 -
    SECTION 30 INFORMATION SUPPORT IS THE SOURCE OF ARMY POLICY FOR
    FUNDING OF VIDEO MONITORING EQUIPMENT. MILITARY DOLLARS ARE TO BE USED
    FOR CABLES AND FITTINGS, CONNECTORS, TERMINAL STRIPS, AND SIMAR DEVICES
    NEEDED TO INSTALL THE CABLE TO THE OUTLET DEVICE PLATE. OPERATION MAINTENANCE
    ARMY (OMA) DOLLARS ARE USED TO PURCHASE AND INSTALL MONITORS, CAMERAS,
    PARENT VIEWING MONITORS, OPERATING CONSOLES, ETC. FOR THE VIDEO SURVEILLANCE
    SYSTEM THE EQUIPMENT, EXTERNAL TO THE OUTLETS, IS CONSIDERED PERSONAL
    PROPERTY.

*** SAFETY FIRST ***

*** SUPPORT VALUE ENGINEERING - IT PAYS ***